



TFT-LCD MONITOR

PAC-171AV

User's Manual

Please read this manual thoroughly before use, and keep it handy for future reference

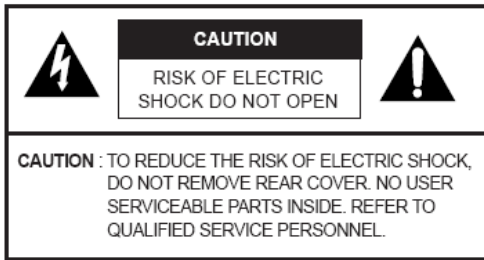
IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these Instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug.
A polarized plug has two blades with one wider than the other.
A grounding type plug has two blades and a third grounding prong.
The wide blade or the third prong **is** provided for your safety.
If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles and the point where they exit from the apparatus.
11. Only use attachment/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus the apparatus has been exposed to rain or moisture does not operate normally or has been dropped.
 - The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases , shall be placed on the apparatus.
 - Minimum distances (e.g. 10cm) around the apparatus for sufficient ventilation.



“WARNING – To reduce the risk of fire or electric shock, do not expose the apparatus to rain or moisture.”

“The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.”



Graphic Symbol Explanation

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated 'dangerous voltage' within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



Warning – To Prevent Fire or Shock Hazard, Do Not Expose This Monitor To Rain or Moisture.

IMPORTANT SAFEGUARDS

Caution

Power source is indicated on the rear of the set. It contains high-voltage parts. If you remove the cover, it may cause fire or electric shock. Do not remove the cover by yourself. (Control switches are at the front of the monitor.)

- Read Instructions : All the safety and operating instructions should be read before the appliance is operated.
- Retain Instructions : The safety and operating instructions should be retained for future reference.
- Heed Warnings : All warnings on the monitor and in the operating instructions should be adhered to.
- Follow Instructions : All operating and user instructions should be followed.
- Cleaning : Unplug this monitor from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
Exception. A monitor that is meant for uninterrupted service and that for some specific reason, such as the possibility of the loss of an authorization code for a CATV converter, is not intended to be unplugged by the user for cleaning or any other purpose may exclude the reference to unplugging the monitor in the cleaning description otherwise required in Item 5.
- Attachments : Do not use attachments not recommended by AASSET as they may cause hazards.
- Water and Moisture : Do not use this monitor near water for example, near a bathtub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool and the like wet basement or near a swimming pool and the like.
- Accessories : Do not place this monitor on an unstable cart, stand, tripod, bracket or table. The monitor may fall, causing serious injury to a child or adult and serious damage to the appliance. Use only with a cart, stand, tripod, bracket or table recommended by AASSET, or sold with the monitor. Any mounting of the monitor should follow AASSET's instructions and should use a mounting accessory recommended by Samsung.
- Ventilation : Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the monitor and to protect it from overheating and these openings should never be blocked by placing the monitor on a bed, sofa, rug or other similar surface. This monitor should never be placed near or over a radiator or heat register. This monitor should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or AASSET's instructions have been adhered to.
- Power Sources : This monitor should be operated only from the type of power source indicated on the making label. If you are not sure of the type of power supply to your installation site, consult your Samsung dealer or local power company.
- Grounding or Polarization : For monitors equipped with a 3-wire grounding-type plug having a third (grounding) pin. This plug will only fit into a grounding type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding-type plug.
- Power : Cord Protection—Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the monitor.
- Lightning : For added protection for this monitor during a lightning storm or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the cable system. This will prevent damage to the monitor due to lightning and power-line surges.
- Overloading : Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.
- Object and liquid Entry : Never push objects of any kind into this monitor through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the monitor.
- Servicing : Do not attempt to service this monitor yourself as opening or removing cover may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- Damage Requiring Service : Unplug this monitor from the wall outlet and refer servicing to qualified service personnel under the following conditions.
 - When the power-supply cord or plug is damaged.
 - If liquid has been spilled or objects have fallen into the monitor.
 - If the monitor has been exposed to rain or water.
 - If the monitor does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and require extensive work by a qualified technician to restore the monitor to its normal operation.
 - If the monitor has been dropped or the cabinet has been damaged.
 - When the monitor exhibits a distinct change in performance—this indicates a need for service.

18. Replacement Parts : When replacement parts are required, be sure the service technician has used replacement parts specified by AASSET or have the same characteristics as the original parts.
Unauthorized substitutions may result in fire, electric shock or other hazards.

19. Safety Check : Upon completion of any service or repairs to this monitor, ask the service technician to perform safety checks to determine that the monitor is in proper operating condition.

NOTICE

Hg LAMP(S) INSIDE THIS PRODUCT CONTAIN MERCURY AND MUST BE RECYCLED OR DISPOSED OF ACCORDING TO LOCAL, STATE OR FEDERAL LAWS.

Warning

This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to part 15 of the FCC Rules and ICES-003 of Industry Canada. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

User-Installer Caution

Your authority to operate this FCC verified equipment could be voided if you make changes or modifications not expressly approved by the party responsible for expressly approved by the party responsible for

Information to user

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's

radio/television technician for additional suggestions. You may find the booklet called how to Identify and Resolve Radio/TV Interference Problems helpful. This booklet was prepared by the Federal Communications Commission.

IC Compliance Notice

This Class (A) digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

This Class A digital apparatus complies with Canadian ICES-003.

Warning

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

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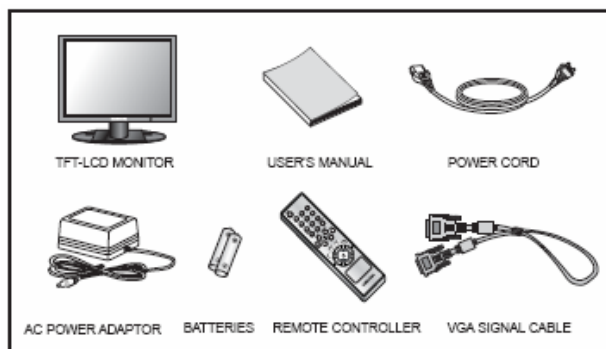
Unpacking

E

Remove the package cover and place the product on a flat and secure surface or in the installation location.

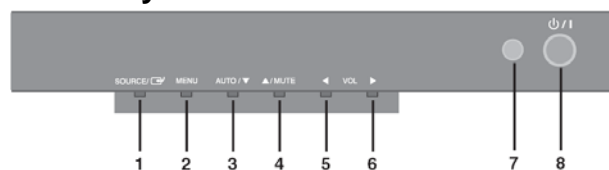
Check whether all the following devices and accessories are.

included with the main system.



Names and Functions of Parts

Front Key Control



1. SOURCE /

Select input source, and move the previous menu.-

2. MENU

Activates and exits the On Screen Display.

OSD MENU(MAIN) : Input, Picture, OSD, Setup.

3. AUTO / ▼(DOWN)

This button is move the OSD menu, and use to auto adjustment of VGA input only.

4. ▲ (UP) / MUTE

Move the OSD main menu or sub menu.
and Mute the Sound

EX) If you select the mute, then the picture below appears
On the screen

MUTE

5. ◀ (LEFT) / Volume

This button will decrease the level of active function, and move to the previous menu. Adjust the volume (decrease).

6. ▶ (RIGHT) / Volume

This button will increase the level of active function, and select OSD menu. Adjust the volume (increase).

EX) If you select the volume, then the picture below appears
On the screen.

(Use the Remote controller and Key controls)



7. IR Sensor

Remote controller sensor.

8. POWER ON/OFF

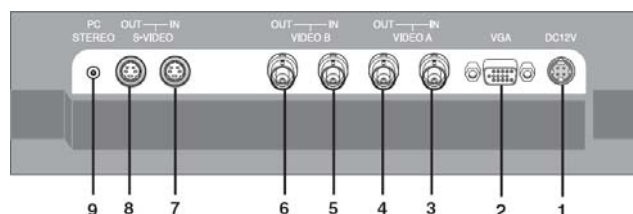
Turns the power ON or OFF. There will be a few seconds delay before the display appears

The power LED(next to the power switch) lights

green when the power is turned ON.

The power is turned off by pressing the power switch

Bottom Panel Control



1. DC 12V IN

DC power Input

2. VGA IN

VGA Signal Input.

3. VIDEO A IN

Composite signal Input for VIDEO A

4. VIDEO A OUT

Video looping output for VIDEO A

5. VIDEO B IN

Composite signal Input for VIDEO B

6. VIDEO B OUT

Video looping output for VIDEO B

7. S-VIDEO (Y/C) IN

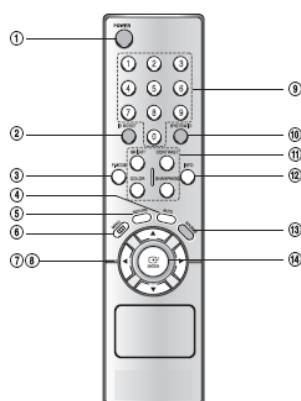
Y/C separated signal input

8. S-VIDEO (Y/C) OUT

Y/C separated signal looping output

9. PC STEREO IN

Remote Controller



1. POWER(⏻)

Turns the power ON or OFF. There will be a few seconds delay before the display appears.

2. ID RESET

Reset the system id of remote controller.(Default system id is '1')

3. P.MODE

Select Picture mode in Video. (Dynamic / Standard / Movie / Custom)

4. AUTO

Auto geometry adjustment in VGA Source.

5. RETURN

Return to the previous menu.

6. MENU

Activates and exits the On Screen Display.

7. VOLUME, LEFT / RIGHT (◀/▶)

Adjust the volume , Increases or decreases the level of active function, and right button is to select OSD menu, left button is previous OSD menu.

8. UP / DOWN (▲/▼), MUTE

Move to OSD menu, and Mute the sound.

9. NUMBER Button

Change the SYSTEM ID for remote controller.
With the SYSTEM ID button pressed, entered the desired NUMBER by pressing the corresponding button(0~9) to set up the Remote Controller ID

10. SYSTEM ID

Set the system id of remote controller.

11. BRIGHT, CONTRAST, COLOR, SHARPNESS

Simply control brightness, contrast, color, sharpness via the remote controller.

12. INFO

Display information of the picture.

13. SOURCE

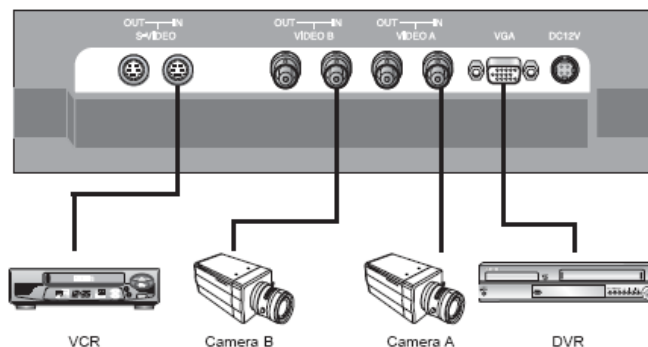
Select VGA or Video (Video A / Video B / S-Video) sources.

14. ENTER

Select OSD main menu or sub menu.

Connecting to External Devices

The product can be connected to an external device such as Camera, DVR,VCR, etc.



Setup Menu Configurations

NO SIGNAL DISPLAY

When there is no connection at the VGA and Video input, the On Screen Display will show this message.



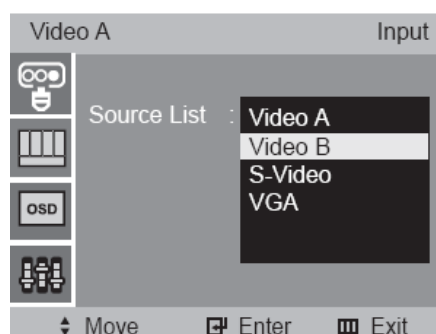
OSD MENU DESCRIPTION

MENU SELECTION

1. Press the MENU button and then ▲/▼ button to display each menu.
2. Press the ENTER or ▶ button and then ▲/▼ button to select the menu item.
3. Press the MENU button to return to normal picture.

NOTE : If you don't connect to VGA port, menu is not displayed in VGA mode.

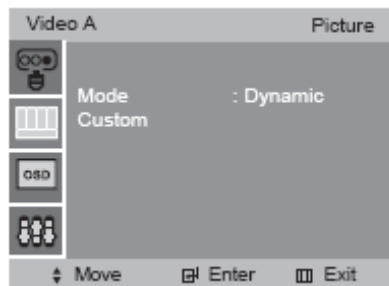
■ A. INPUT MENU



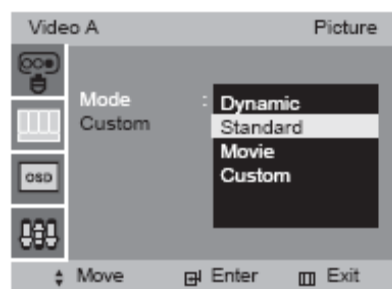
Inputs can be set to Video A, Video B, S-Video, VGA mode.

1. Press the MENU button and then ▲/▼ button to select the Input menu.
2. Press the ENTER or ► button to select the Source List.
3. Press the ENTER or ► button and then ▼/▲ button to select the input source.
4. Press the ENTER button to change the input source.
You can also select the input source with SOURCE on the Remote Control

■ B. PICTURE MENU (Video mode)



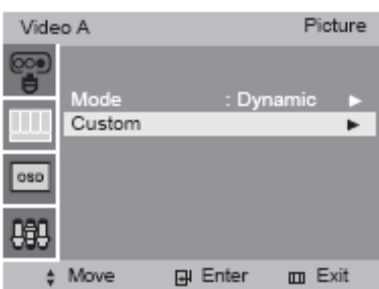
Mode



1. Press the MENU button and then ▲/▼ button to select the picture menu.
2. Press the ENTER or ► button to select the the Mode
3. Press the ENTER or ► button and then ▼/▲ button to Select the picture Mode.
4. Press the ENTER button to save

You can also recall a desired picture mode with P.MODE on the Remote Controller.

Custom



- NTSC input

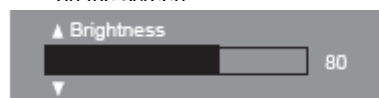


- PAL input



1. Press the ENTER or ▲/▼ button to select Custom in the Picture menu.
2. Press the ▼/▲ button and then ENTER or ► button to select the adjustment item you need.

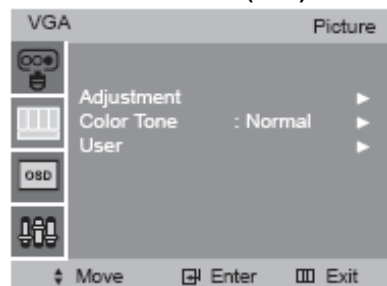
EX) If you select the Brightness, then the picture below appears on the screen



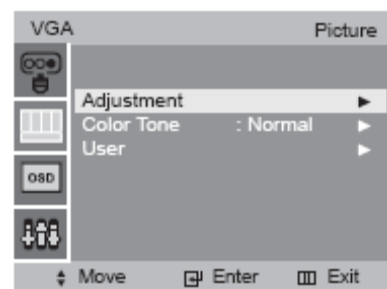
3. Press the ◀/▶ button to increase or decrease level.
 4. Press the ▲/▼ button to select the other item.
 5. Press ENTER button to save.
- You can also recall a desired Brightness, Contrast, Color or Sharpness with BRIGHT, CONTRAST, COLOR or SHARPNESS on the Remote Control.

NOTE : Tint item is NTSC input only.

■ C. PICTURE MODE (VGA)



Adjustment

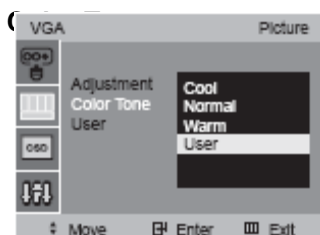


1. Press the MENU button and then ▲/▼ button to select the Picture menu.
2. Press the ENTER or ► button to select the Adjustment.
3. Press the ENTER or ► button and then ▼/▲ button to select the item to adjust.

EX) If you select the Brightness, then the picture below will

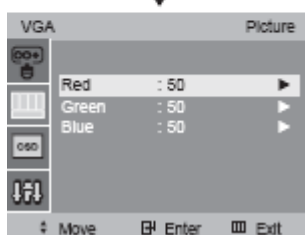


4. Press the ◀/▶ button to increase or decrease level.
5. Press the ▲/▼ button to select the other item.
6. Press ENTER button to save.



1. Press the MENU button and then ▲/▼ button to select the Picture menu.
2. Press the ENTER or ► button to select the Color Tone.
3. Press the ENTER or ► button and then ▲/▼ button to select the Color Tone.
4. Press the ENTER button to save.

User

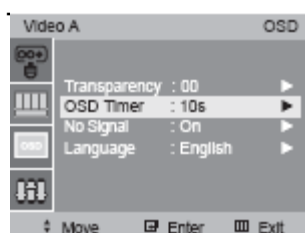
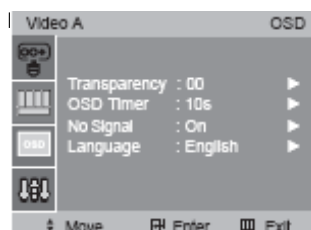


1. Press the MENU button and then ▲/▼ button to select the Picture menu.
2. Press the ENTER or ► button and then Press the ▲/▼ button to select the User.
3. Press the ENTER or ► button and then Press the ▲/▼ button to select the adjust the menu item you need.

EX) If you select the Red, then the picture above will appear on the screen.



4. Press the ◀/▶ button to increase or decrease level.
5. Press the ▲/▼ button to select the other item.
6. Press ENTER button to save.



1. Press the MENU button and then ▲/▼ button to select the OSD menu.
2. Press the ENTER or ► button and then ▲/▼ button to select Transparency or OSD Timer.

EX) If you select OSD Timer, then the picture below will



3. Press the ◀/▶ button to increase or decrease level.
4. Press the ▲/▼ button to select the other item.
5. Press the ENTER button to save.



1. Press the MENU button and then Press the ◀/▶ button to select the OSD menu.
2. Press the ENTER or ► button and then Press the ◀/▶ button to select the No Signal.
3. Press the ENTER or ► button and then Press the ◀/▶ button to select the On or Off.
4. Press the ENTER button to save.

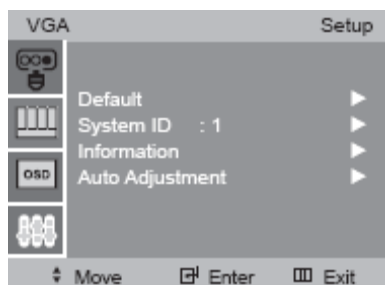
E

Language

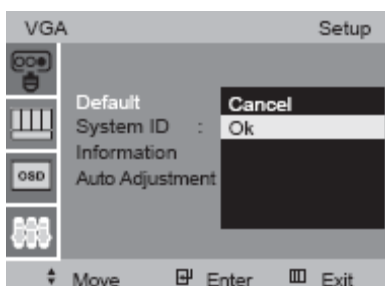


1. Press the MENU button and then ▲/▼ button to select the OSD menu.
2. Press the ENTER or ► button and then Press the ▲/▼ button to select the Language.
3. Press the ENTER or ► button and then Press the ▲/▼ button to select the language you need.
4. Press the ENTER button to save.

■ E. SETUP MENU



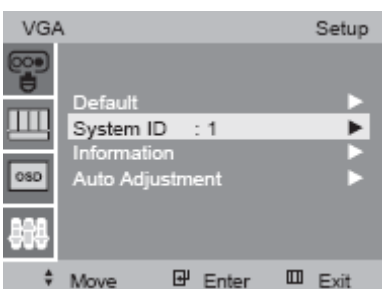
Default



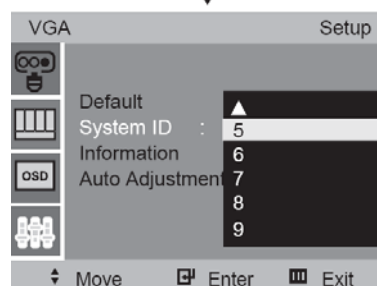
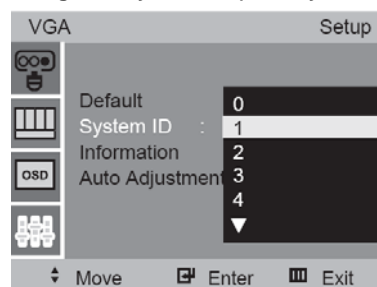
Reset to original factory value.

1. Press the MENU button and then F4 button to select the Setup menu.
2. Press the ENTER or F5 button to select the Default.
3. Press the ENTER or F5 button and then F4 button to select the Cancel or Ok.
4. Press the ENTER or F5 button to save.

System ID

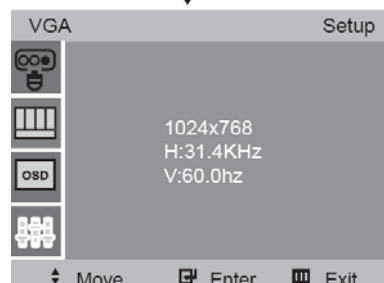
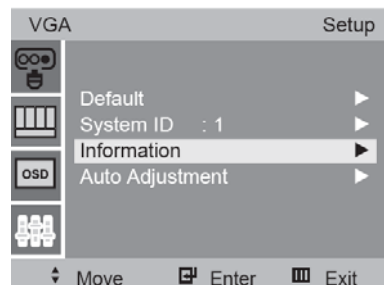


Change the system id. (Factory default is '1')



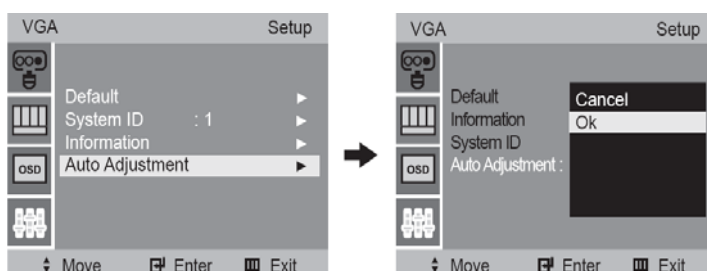
1. Press the MENU button and then ▲/▼ button to select the Setup menu.
2. Press the ENTER or ► button and then ▲/▼ button to select the System ID.
3. Press the ENTER or ► button and then ▲/▼ button to select the ID.
4. Press the ENTER or ► button to save.

Information



Display the information of current source.

1. Press the MENU button and then ▲/▼ button to select the Setup menu.
2. Press the ENTER or ► button and then ▲/▼ button to select the Information.
3. Press the ENTER or ► button to display the information.

Auto Adjustment (VGA mode only)**Full auto configuration in the VGA mode.**

1. Press the MENU button and then ▲/▼ button to select the Setup menu.
2. Press the ENTER or ► button and then ▲/▼ button to select the Auto Adjustment.
3. Press the ENTER or ► button and then Press the ▲/▼_button to select the Cancel or Ok.

E

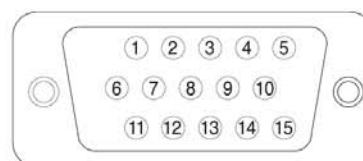
Model Name		PAC-171AV
Video	Composite	2ch input 1.0Vp-p, 75Ω terminated, loop-through out
	S-VIDEO	1ch input (Y/C) , loop-through out
	VGA	1ch input
Resolution		1280x1024@60Hz
Frequency	Horizontal(KHz)	31KHz ~ 80KHz
	Vertical(Hz)	50Hz ~ 75Hz
VGA Mode		720x480@60Hz,720x576@50Hz,800x600@60/75Hz 1024x768@60/75Hz, 1280x1024@60/75Hz
Power Consumption		Max. 36W
Dimensions (WxDxH)	Net	382.4x390.5x200mm
	Packing	436x476x225mm
Weight(kg)	Net Weight	5.96Kg
	Gross Weight	7.67Kg
Power Supply		DC 12V / 3A
Environmental Considerations	Operating Temperature	50°F~104°F (10°C~40°C)
	Operating Humidity	10%~80%,Non-condensing
	Considerations Storage Temperature	-4°F~113°F (-20°C~45°C)
	Storage Humidity	5%~95%,Non-condensing
LCD Panel Spec	Size	17" Diagonal AM-TFT
	Active Display Area	337.92x270.336mm
	Pixel Pitch(mm)	0.264mm(H) x 0.264mm(V)
	Brightness(cd/m2)	300cd/m2
	Contrast Ratio	700:1
	Response Time(ms)	8ms
	Viewing Angle(L/R/ T/B)	75/75/75/60
System		

D-SUB Connector Pin Assignments

PIN ASSIGNMENTS

Pin No.	Pin Name	Pin No.	Pin Name
1	RED VIDEO	9	NC
2	GREEN VIDEO	10	SIGNAL CABLE DETECT
3	BLUE VIDEO	11	GROUND
4	GROUND	12	SDA(for DDC)
5	GROUND	13	H.SYNC(or H+V SYNC)
6	RED GROUND	14	V-SYNC
7	GREEN GROUND	15	SCL(for DDC)
8	BLUE GROUND		

D-SUB



Troubleshooting Guide

Troubleshooting	Troubleshooting Tip
The screen doesn't show up.	<ol style="list-style-type: none"> 1. Make sure if the power supply is connected properly. 2. Turn on the power. 3. Select the input signal right for the connected port.
The screen is too light or too dark.	Control the brightness.
The screen size is not fit for the VGA signal.	Press the AUTO button among buttons in the front. (It is used only in the VGA signal.)
The screen color shows strange in the VGA signal.	In the Setup menu of OSD menu, perform the Auto Adjustment.

WEEE Symbols

Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.



